ABSTRACT

Method and apparatus for allocating resources to a plurality of applications. In various embodiments instrumentation data may be gathered for work requests processed

5   by the applications. An associated workload level may be determined for work requests processed by the applications. For each application an application resource requirement may be determined as a function of the workload levels and a service level metric associated with the application. For each application an assigned subset of resources may be determined as a function of the application resource requirement, a minimization of

10   communication delays between resources, and a bandwidth capacity requirement of the application. The resources may be automatically reconfigured consistent with the assigned subset of resources for each application.